

What, How and Why? Using Logic Models for Public Health Law Research

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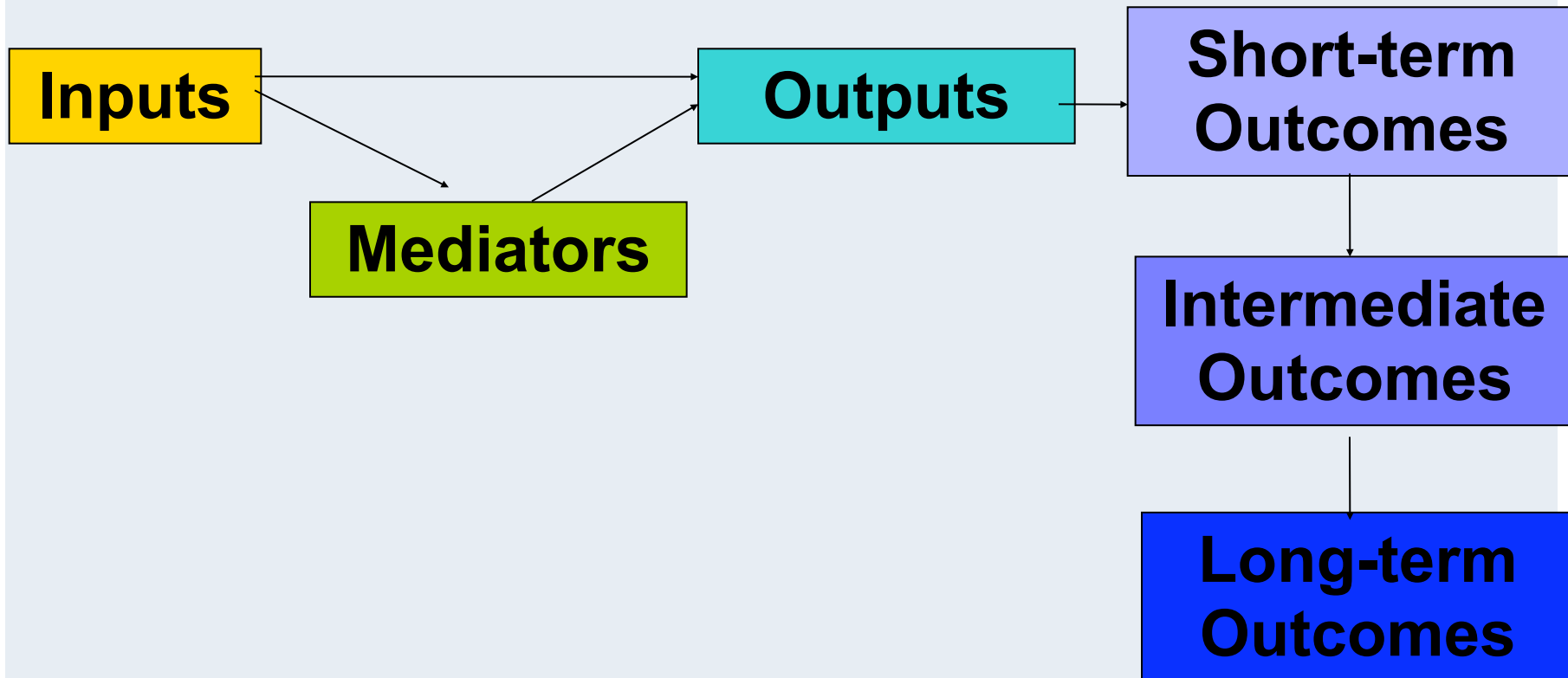
Robert Wood Johnson Foundation

- 1. What is a logic model?**
- 2. How can I create a logic model?**
- 3. What is the utility of a logic model in conducting public health law research?**

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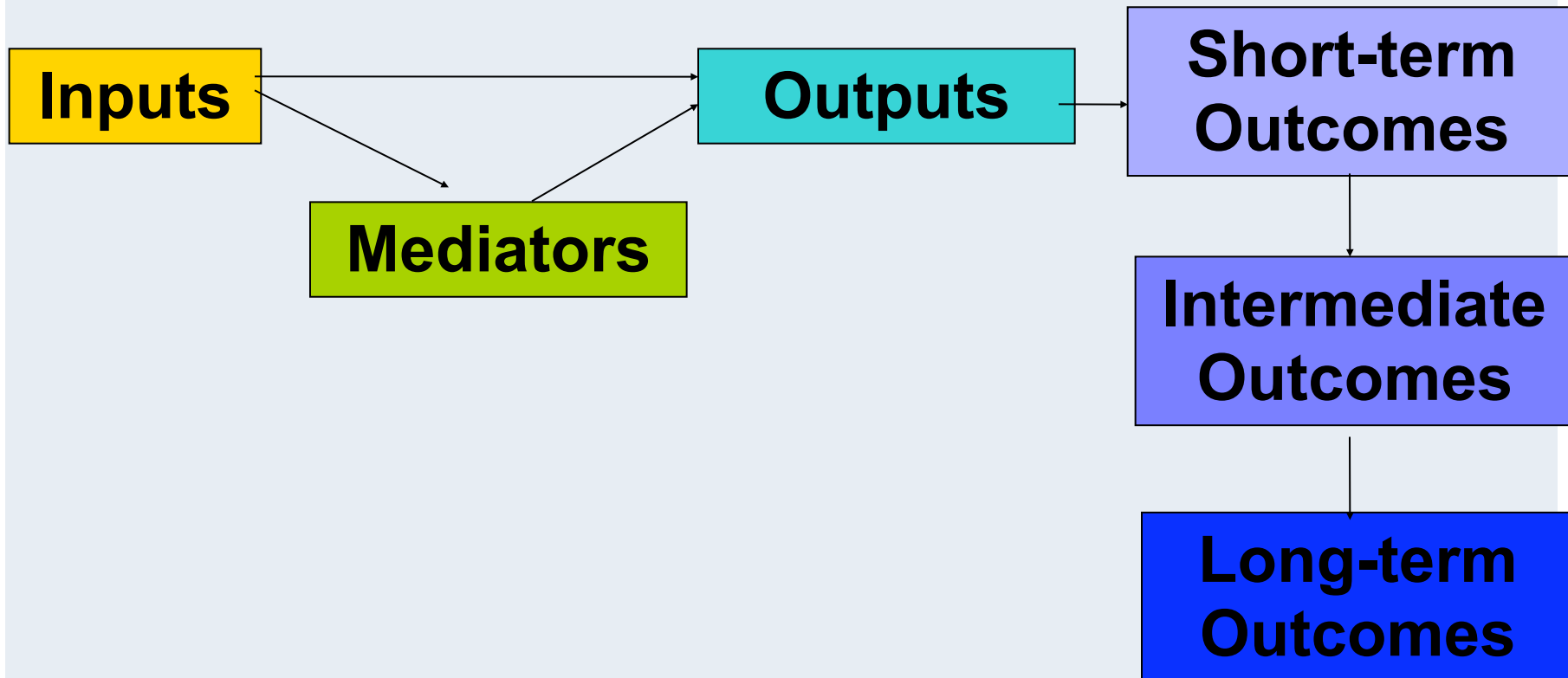
What is a Logic Model?

- **Visual depiction of the process and mechanisms**

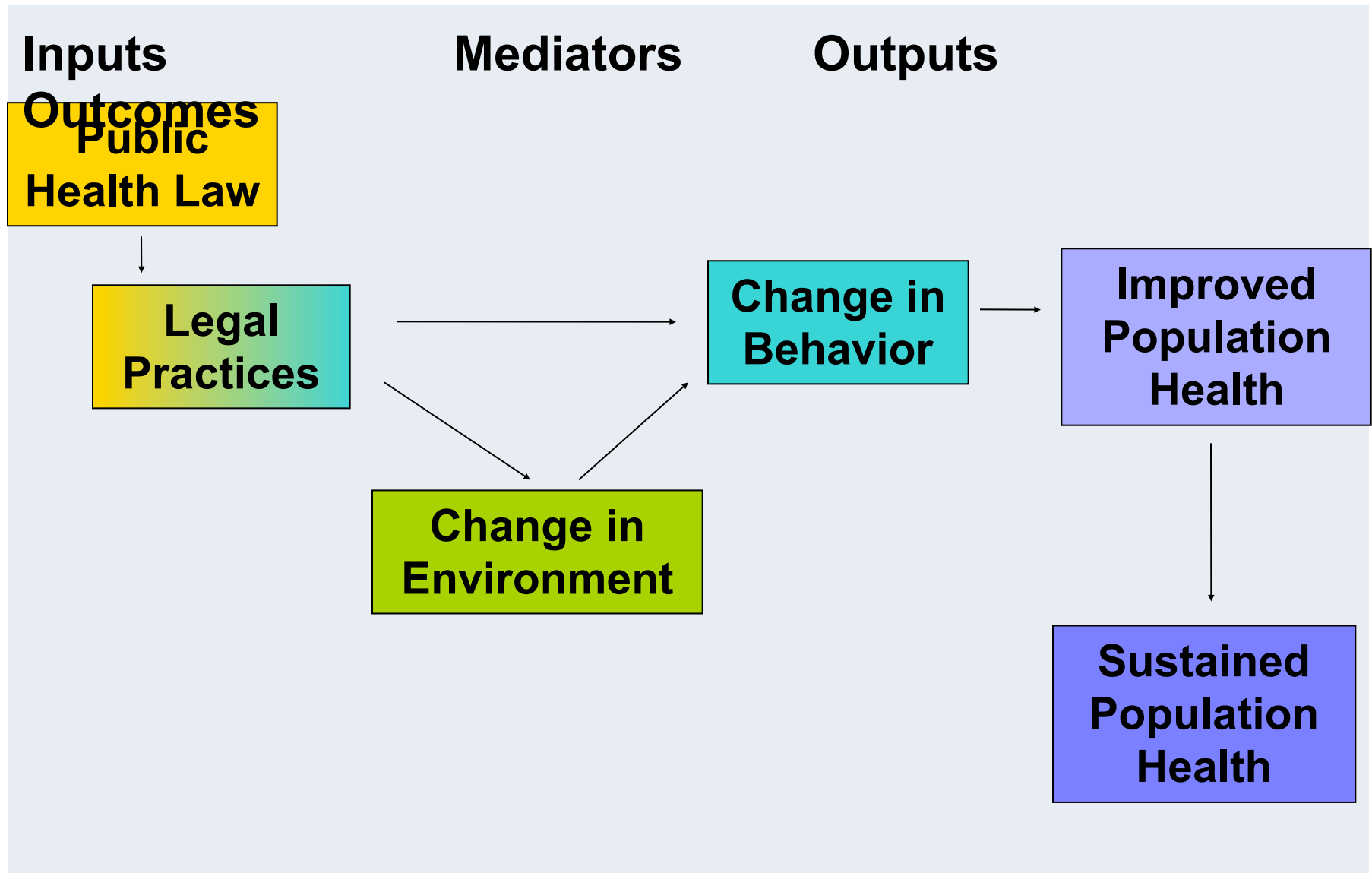


What is a Logic Model?

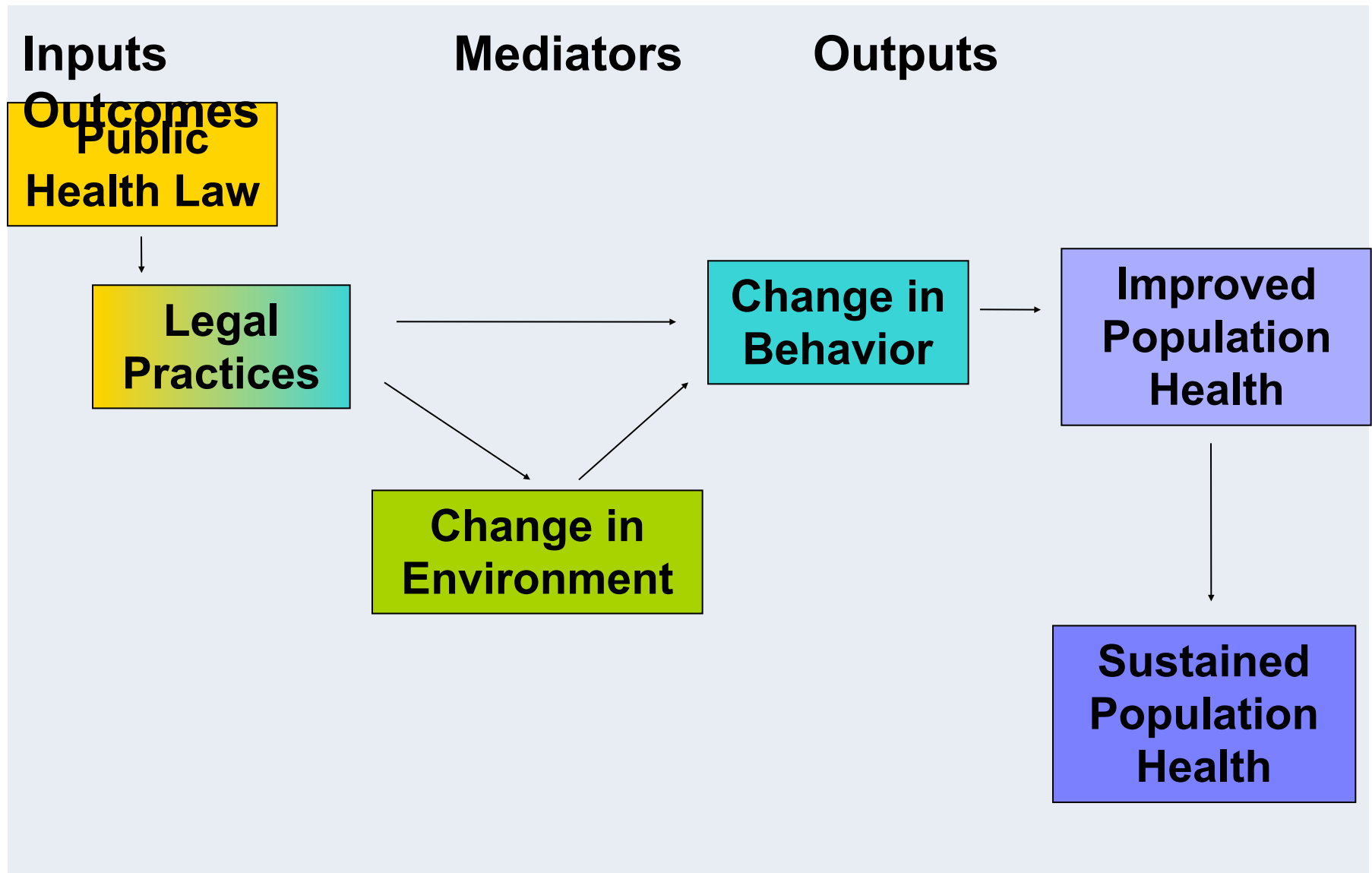
- Visual depiction of the process and mechanisms



A Logic Model for Public Health Law Research



A Logic Model for Public Health Law Research



How to Create a Logic Model

- 1. Collect the relevant information**
- 2. Describe the behavior to be addressed by the law**
- 3. Define the outcomes**
- 4. Describe the mechanisms**
- 5. Draw the logic model**
- 6. Verify the model**

How to Create a Logic Model

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Seat Belt Laws – Basic

**Inputs
Outcomes**

Mediators

Outputs

**Seat Belt
Law**

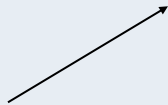
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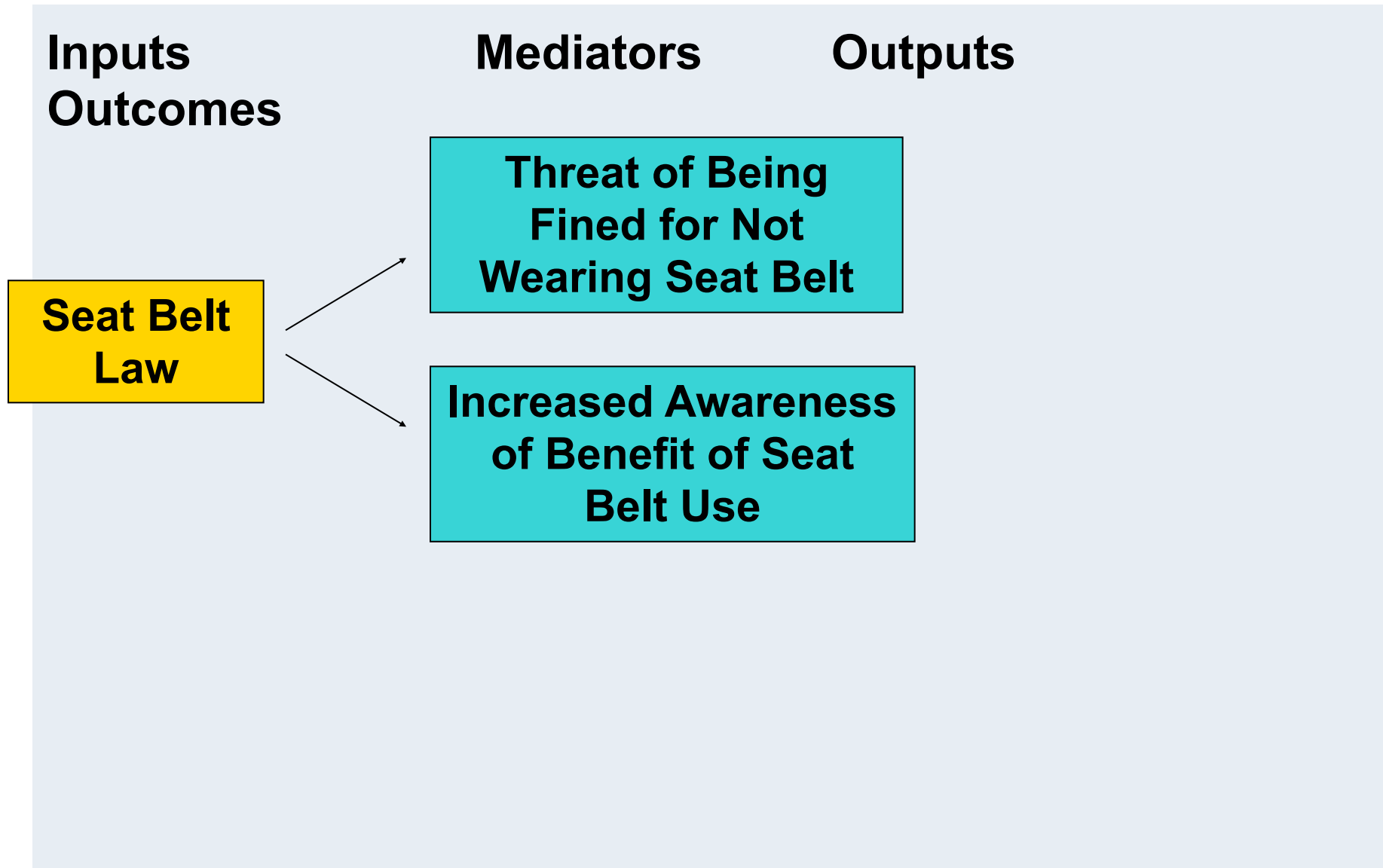
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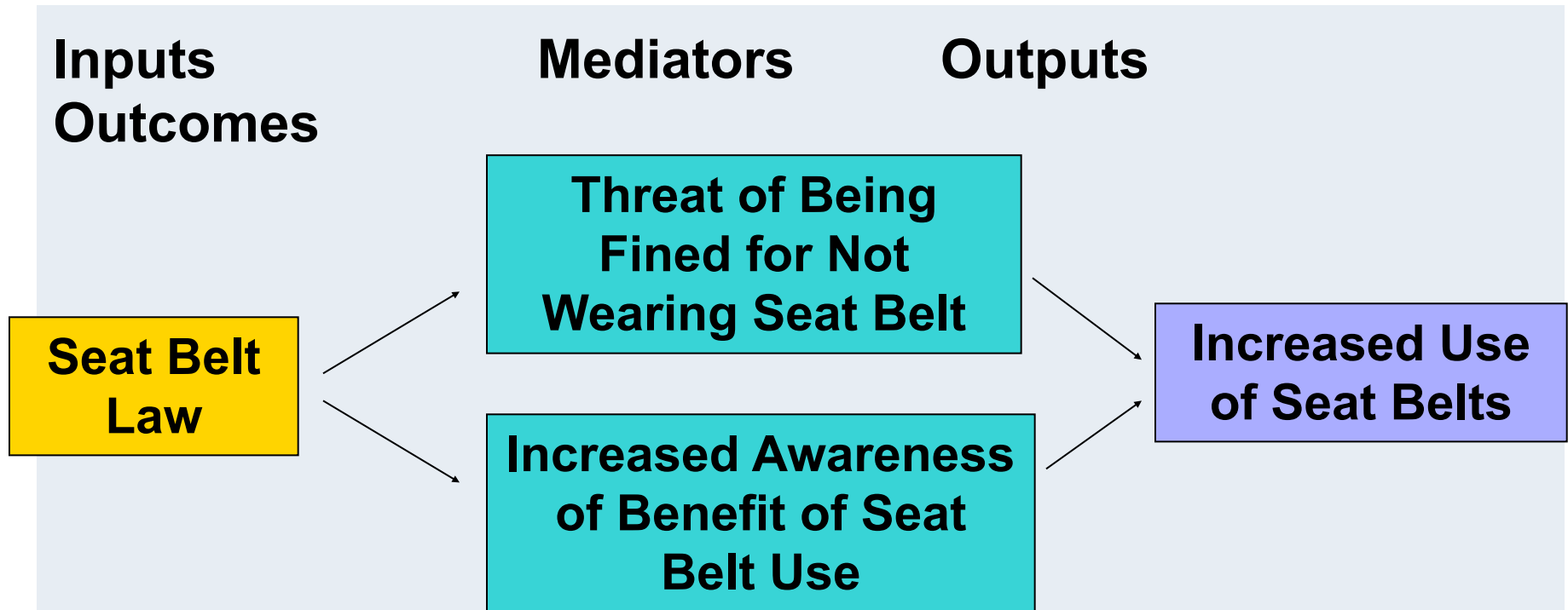


**Threat of Being
Fined for Not
Wearing Seat Belt**

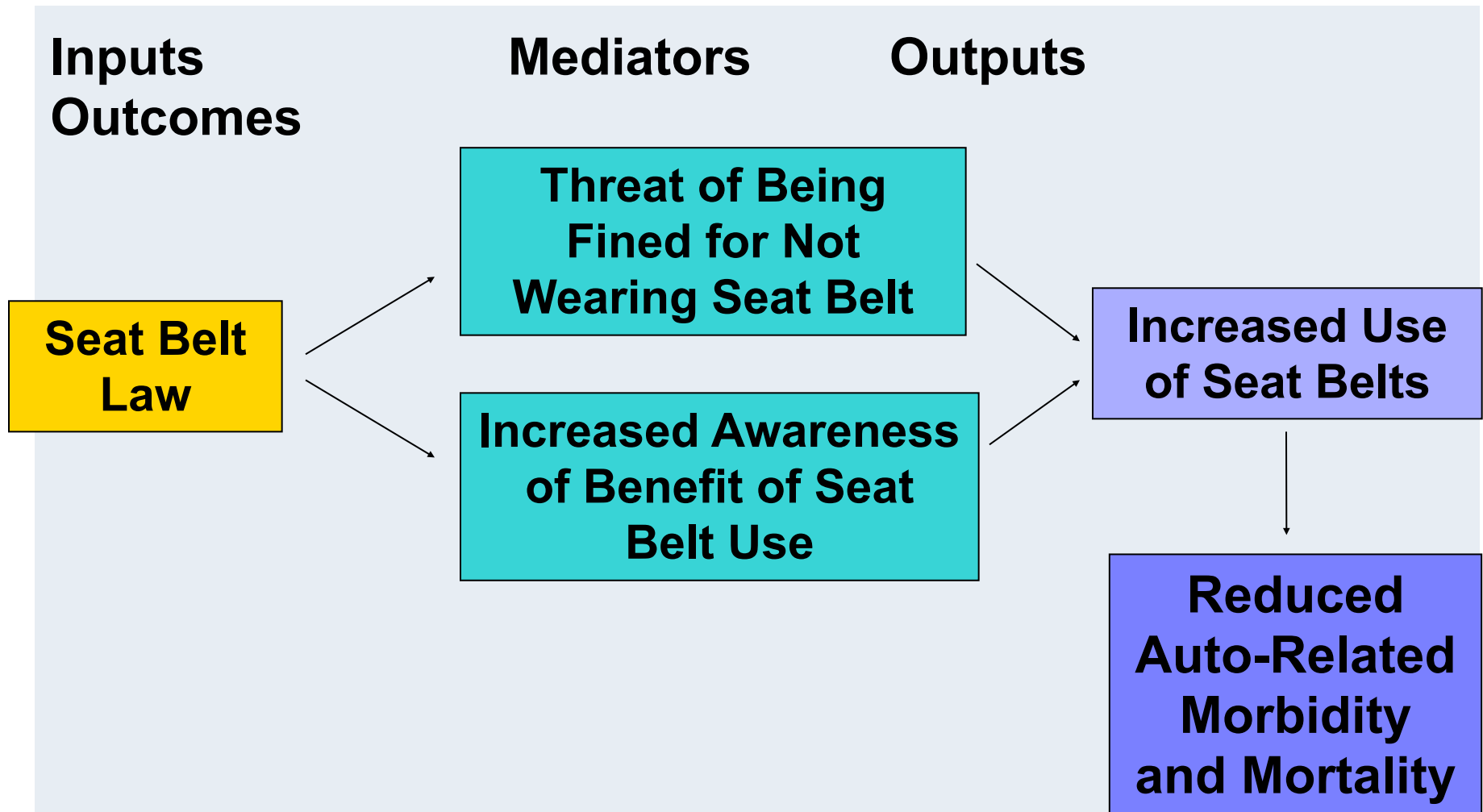
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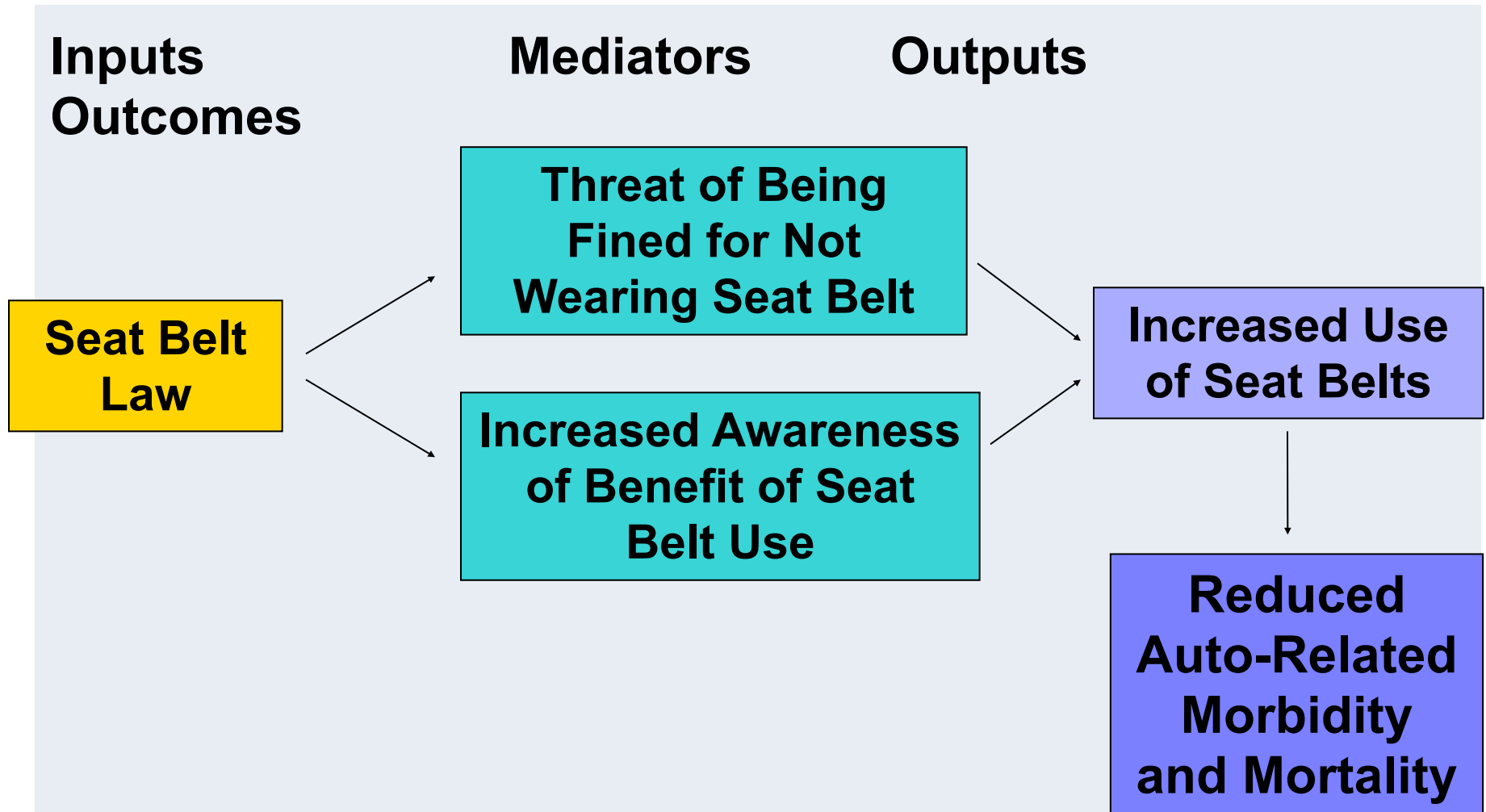
Seat Belt Laws – Basic



Seat Belt Laws – Basic



Seat Belt Laws – Basic



Seat Belt Laws – Complex

Inputs
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Outputs

**Seat
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Seat Belt Laws – Complex

Inputs
Outcomes

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**Seat
Belt
Law**

**Law
Enforcement**

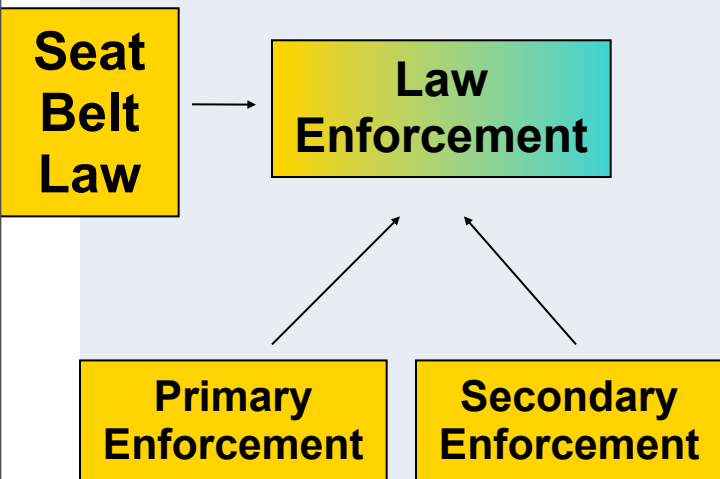


Seat Belt Laws – Complex

Inputs
Outcomes

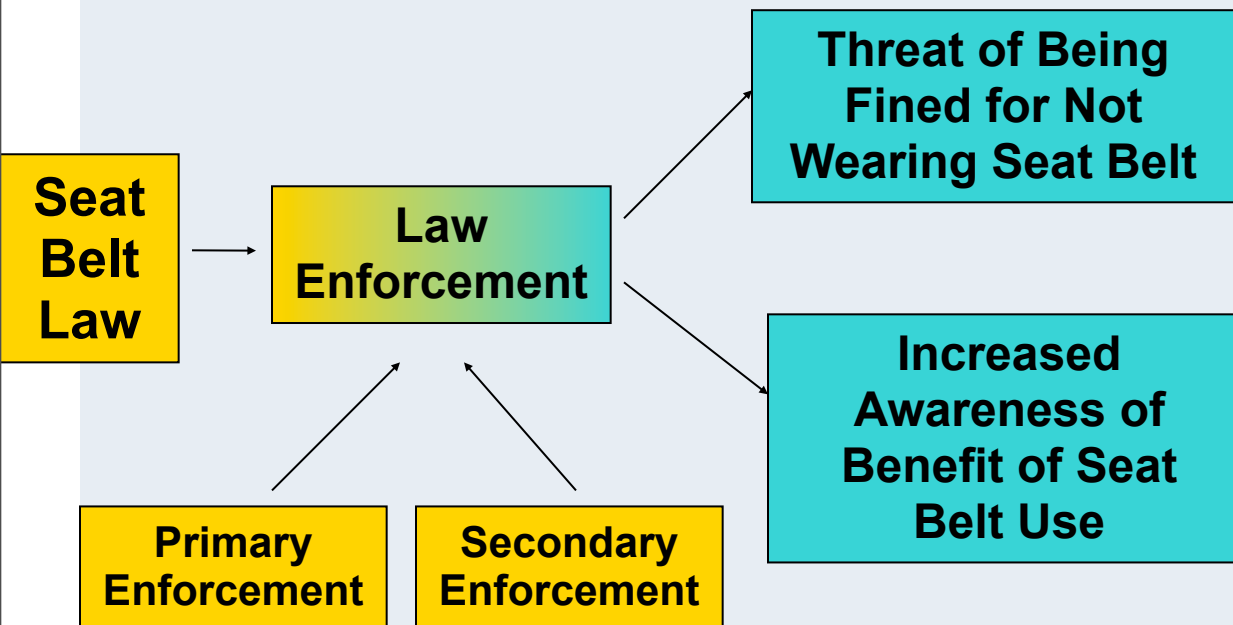
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Outputs

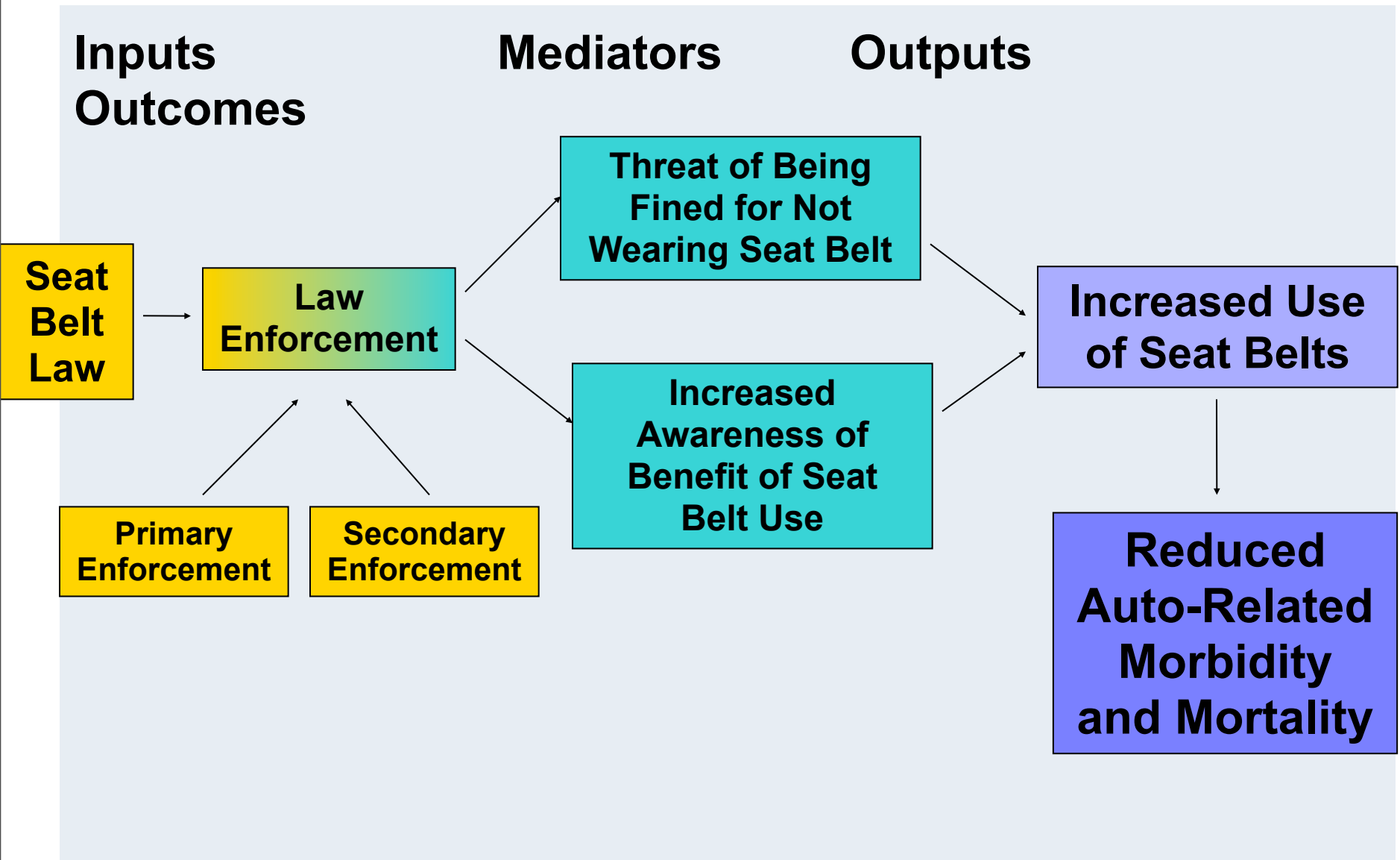


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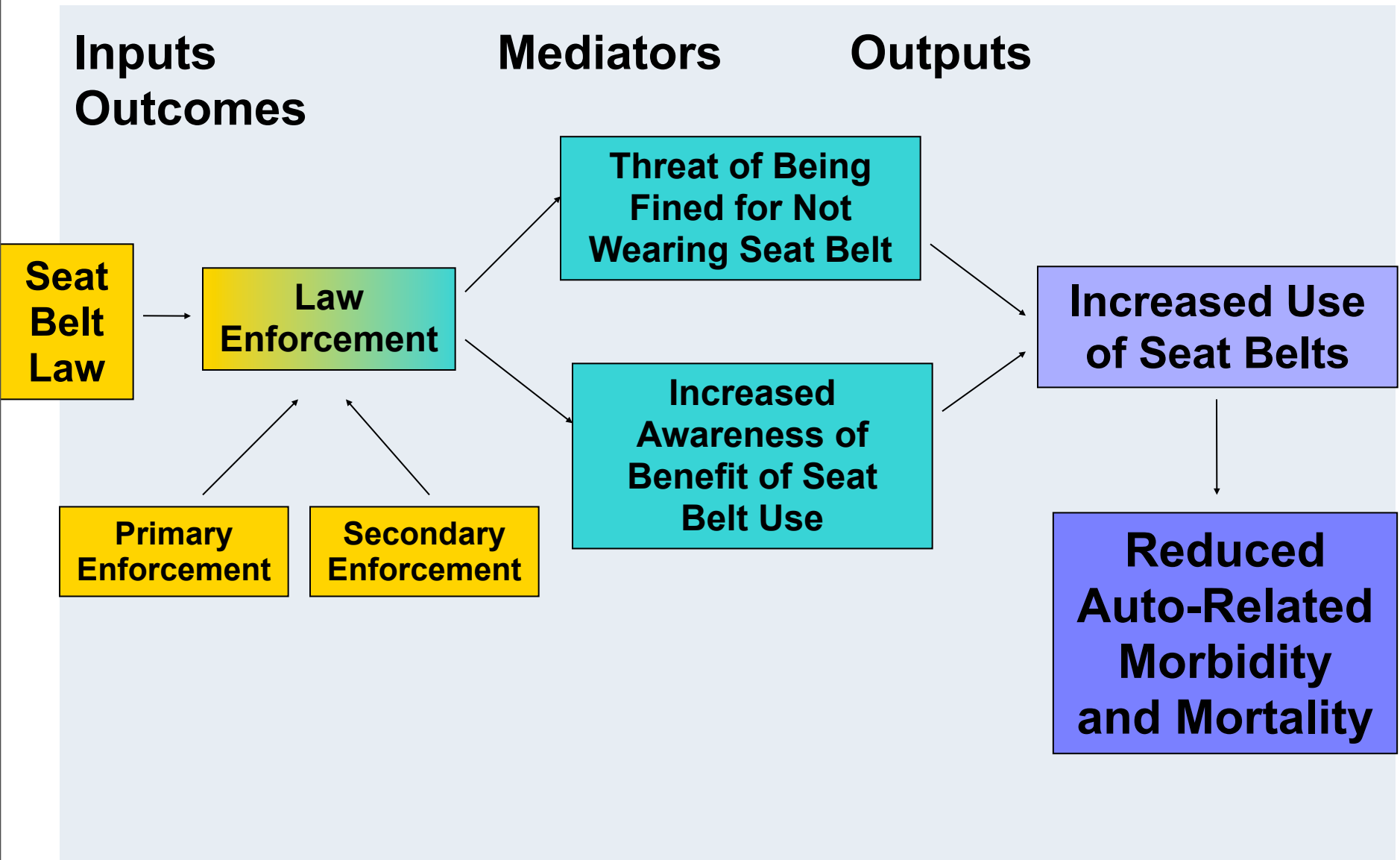
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Seat Belt Laws – Complex



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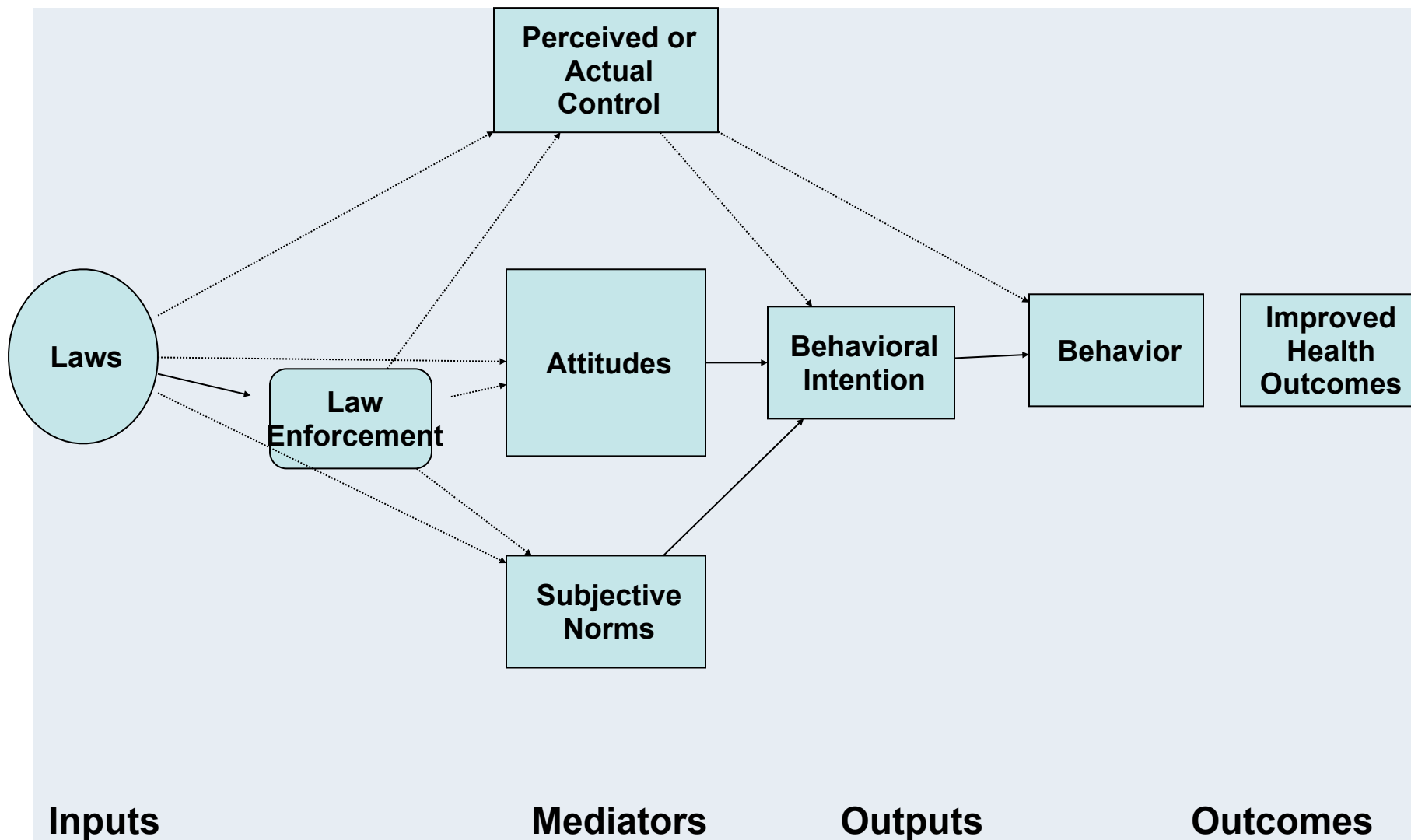
What is the utility of logic models?

- **Reviewing and revising research questions**
- **Moving from constructs to measures**
- **Considering the mechanisms**
- **Developing hypotheses**

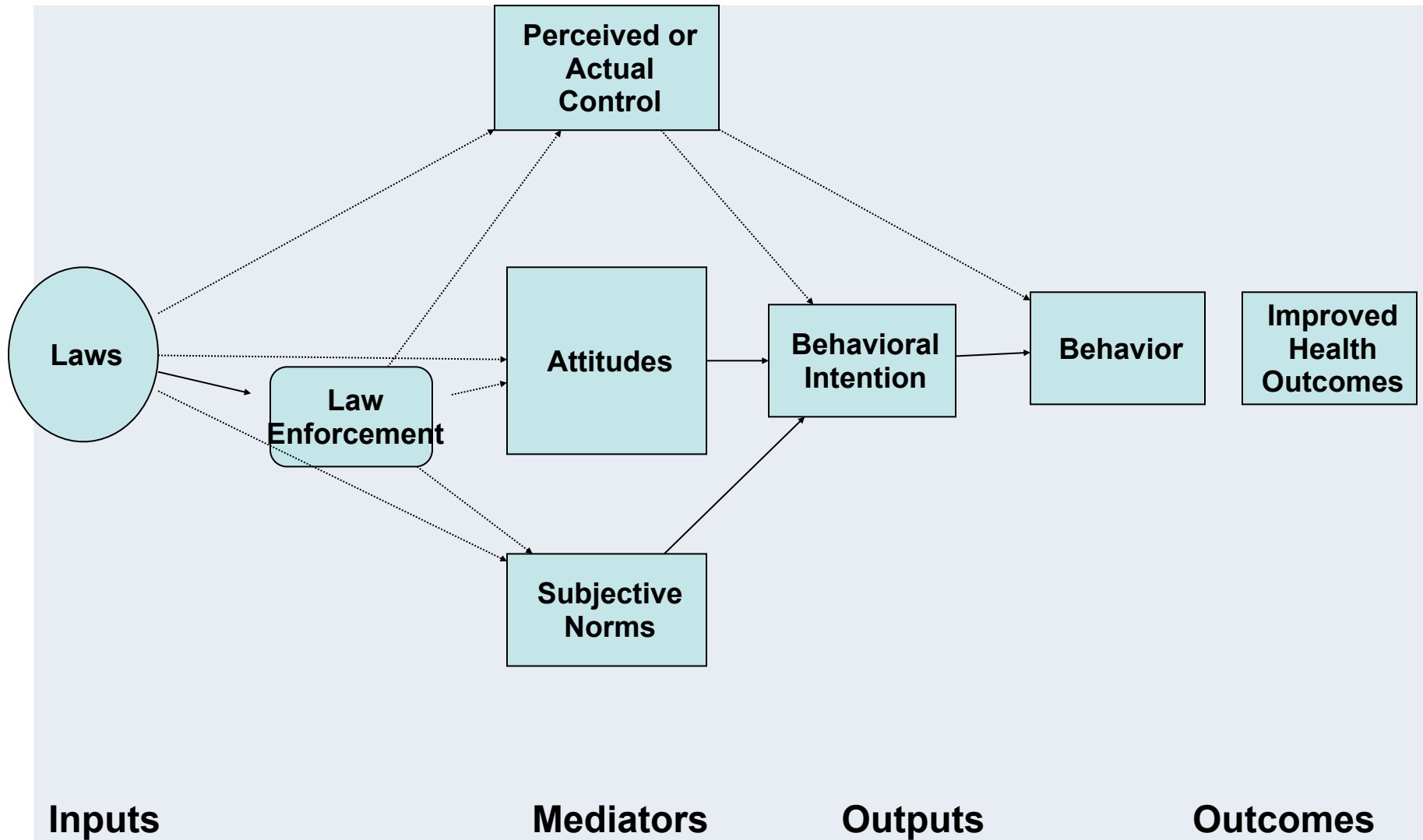
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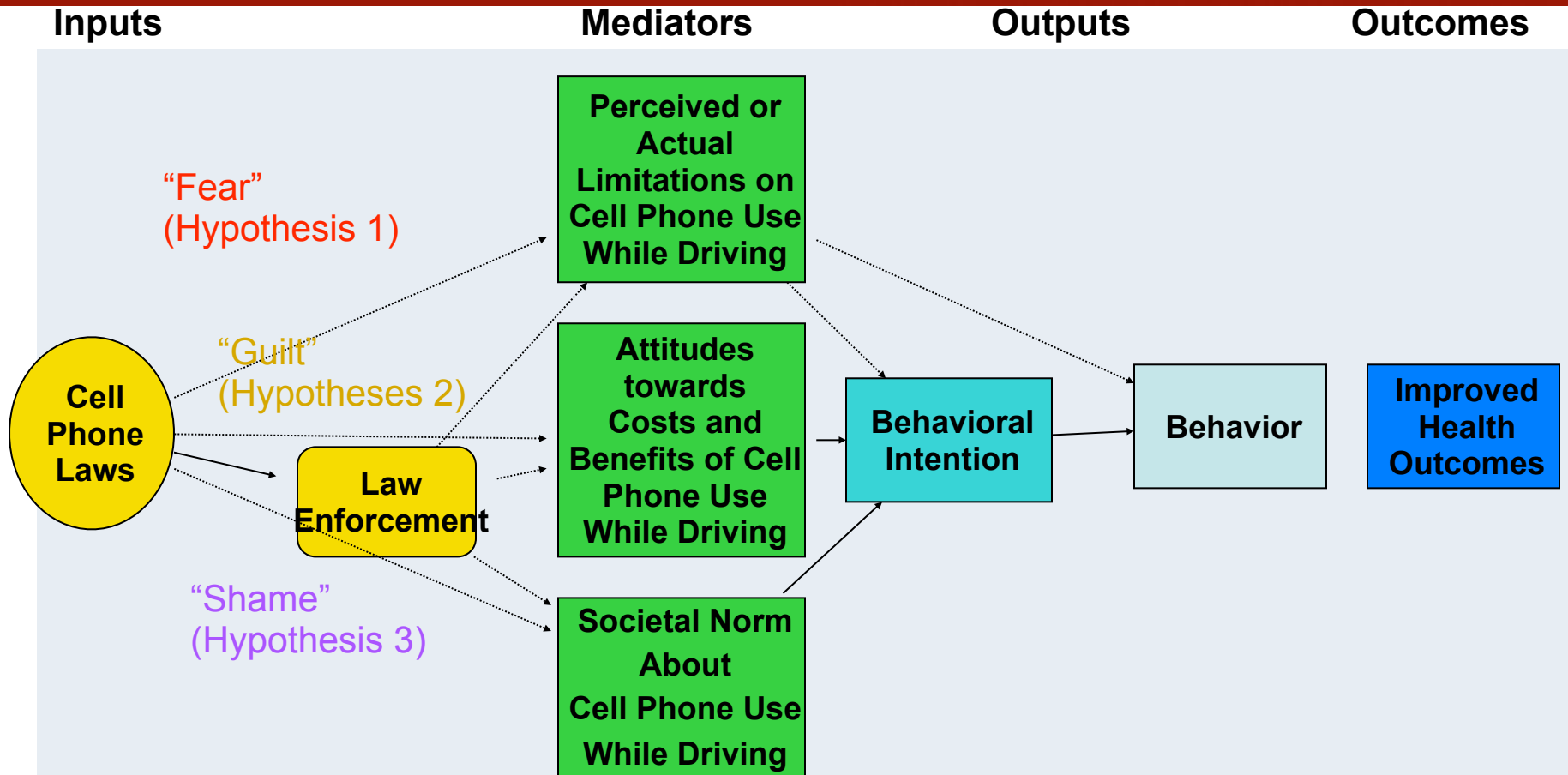
Logic Model Using the Theory of Planned Behavior



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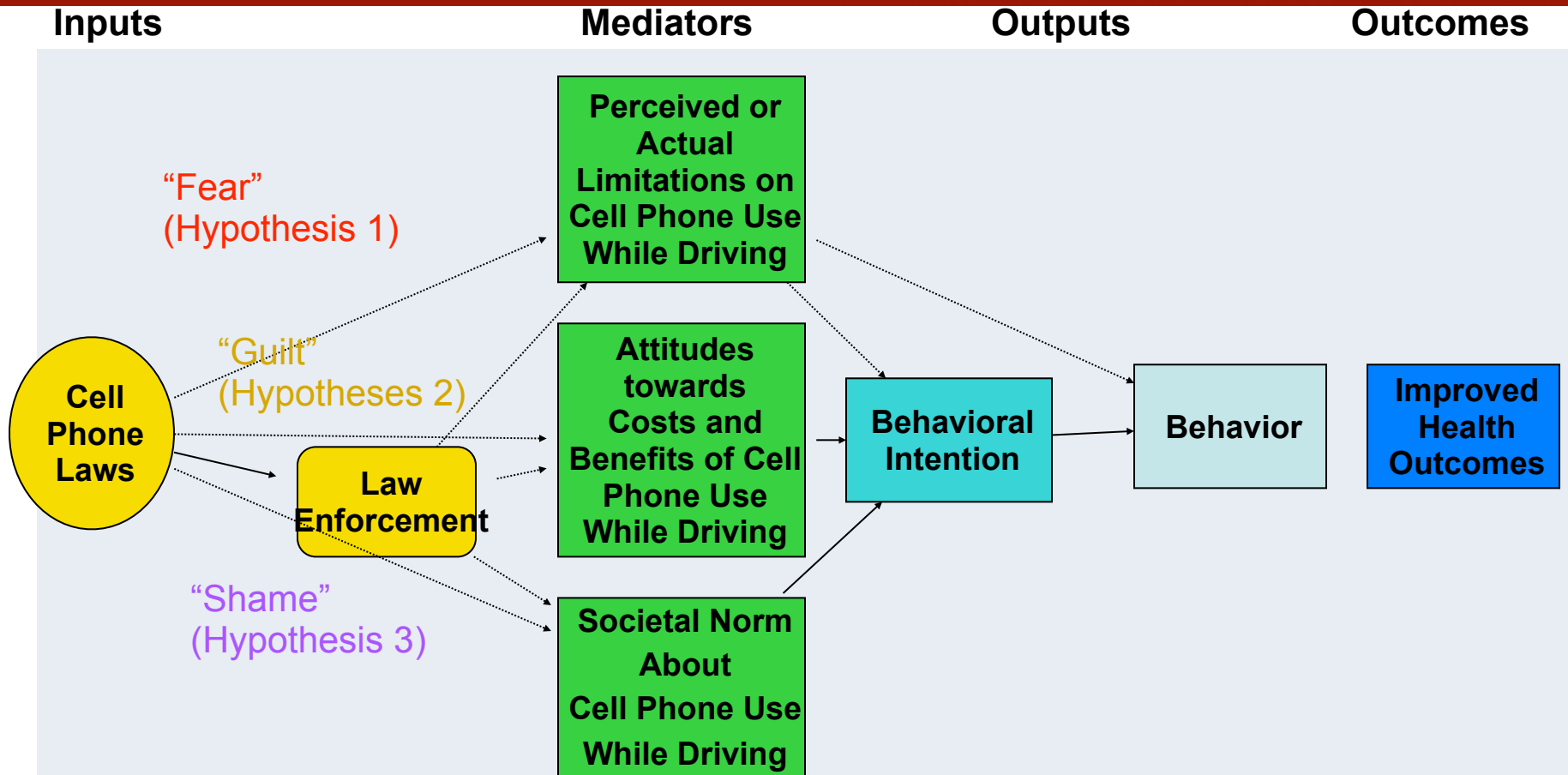
Logic Model for Cell Phone Laws



Hypotheses

1. Fear - Laws & law enforcement practices influence perceived or actual behavioral control.
2. Guilt – Laws & law enforcement practices influence attitudes towards cell phone use while driving
3. Shame - Laws and law enforcement practices influence subjective norms towards cell phone use

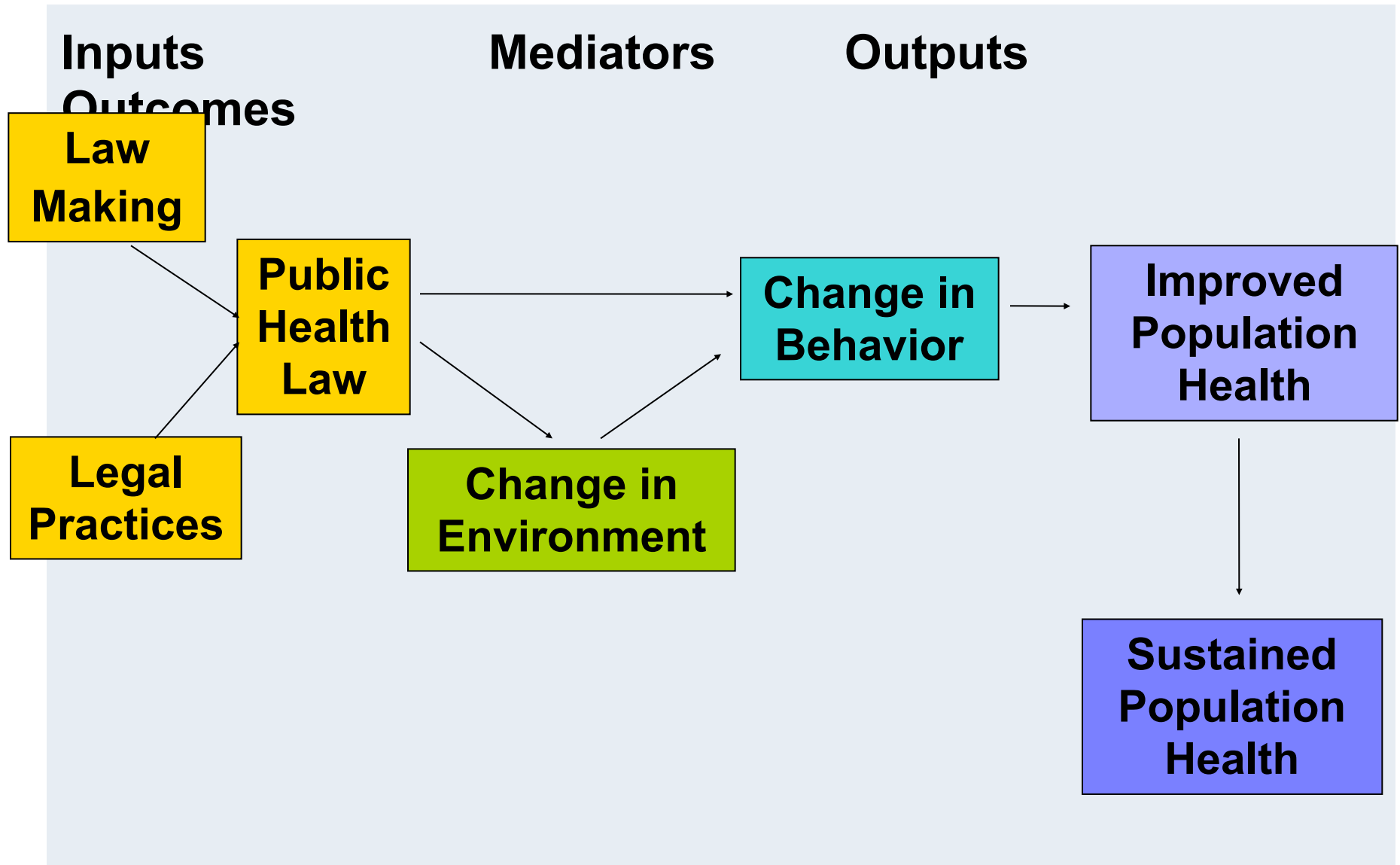
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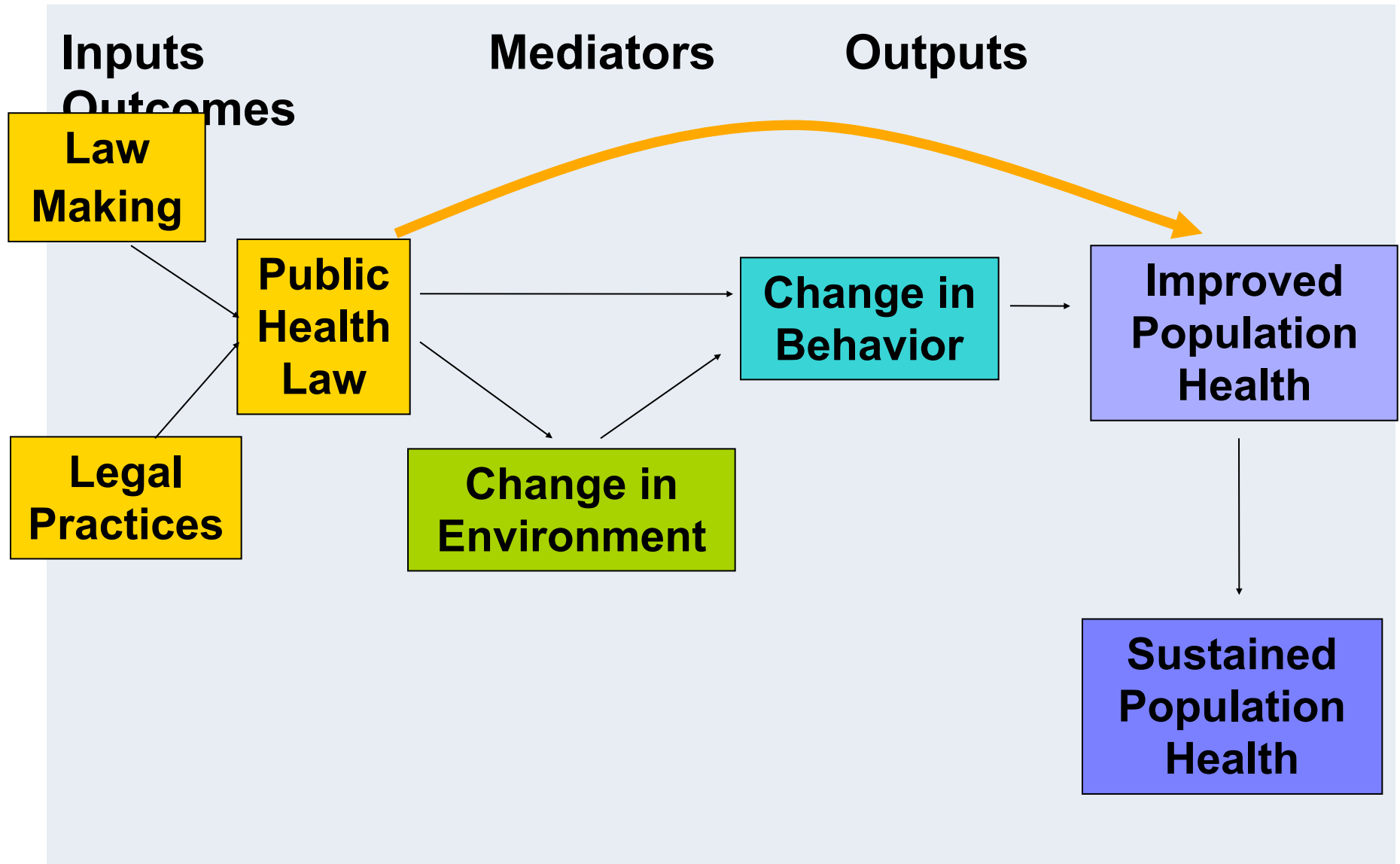
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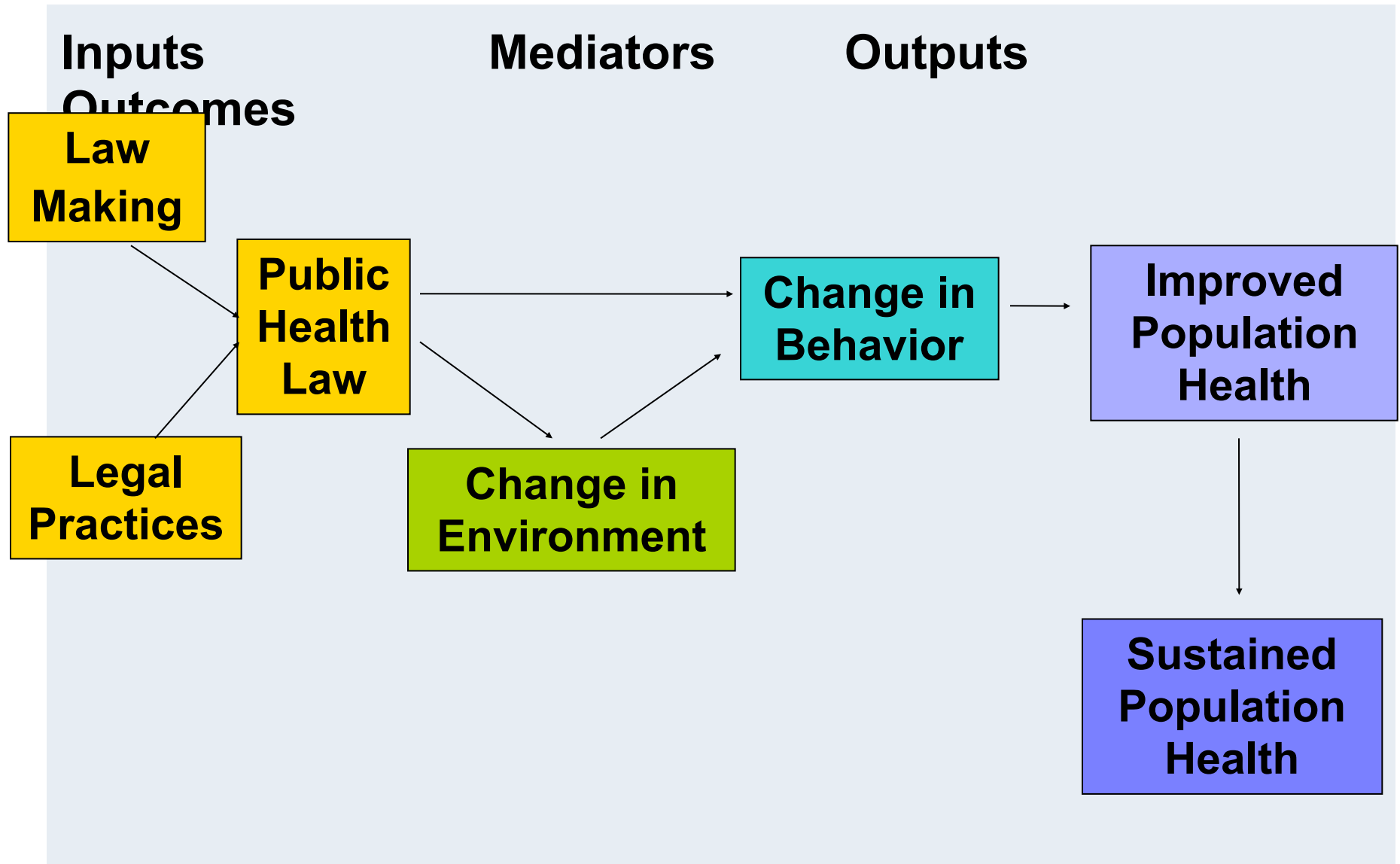
Final Thoughts



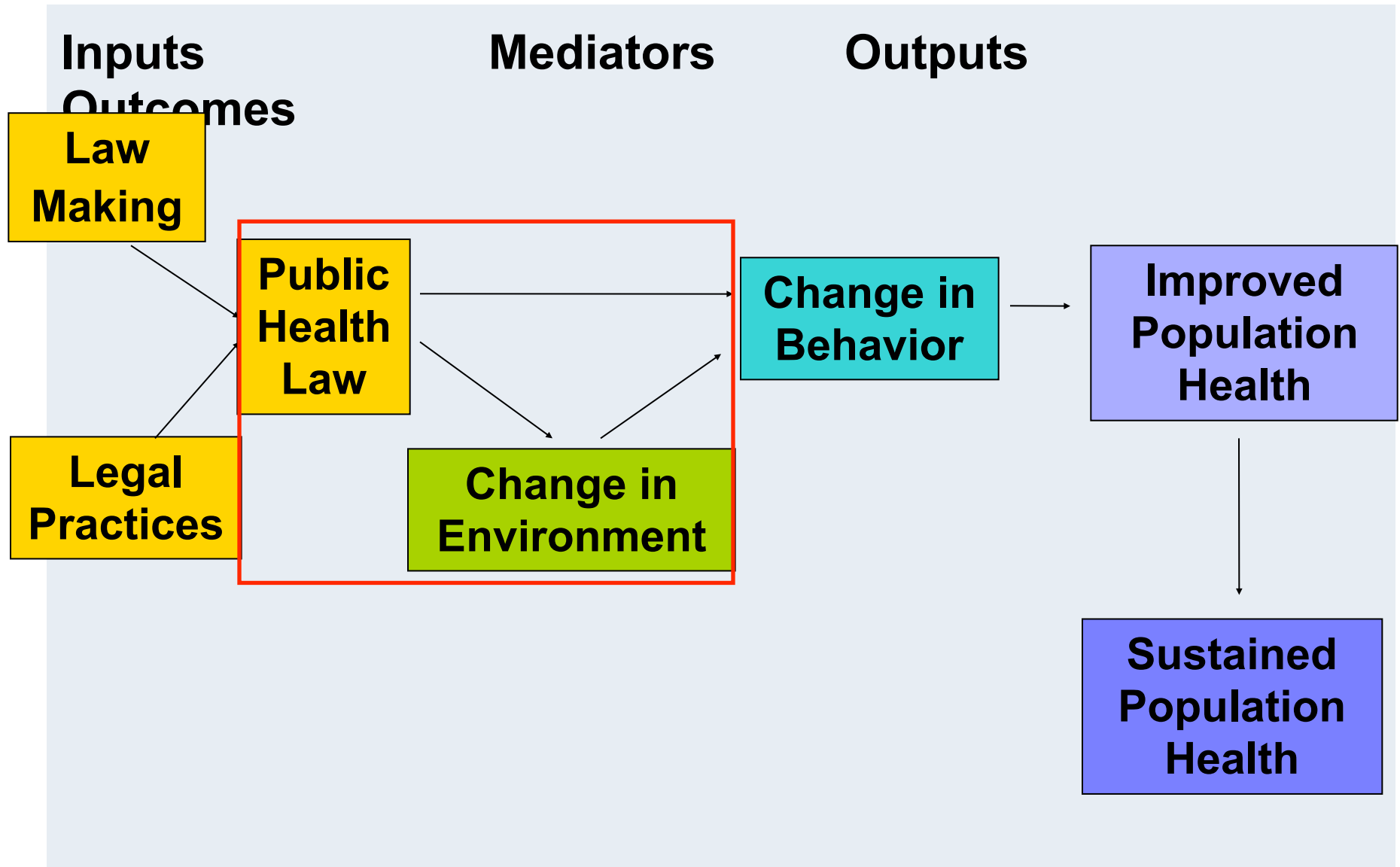
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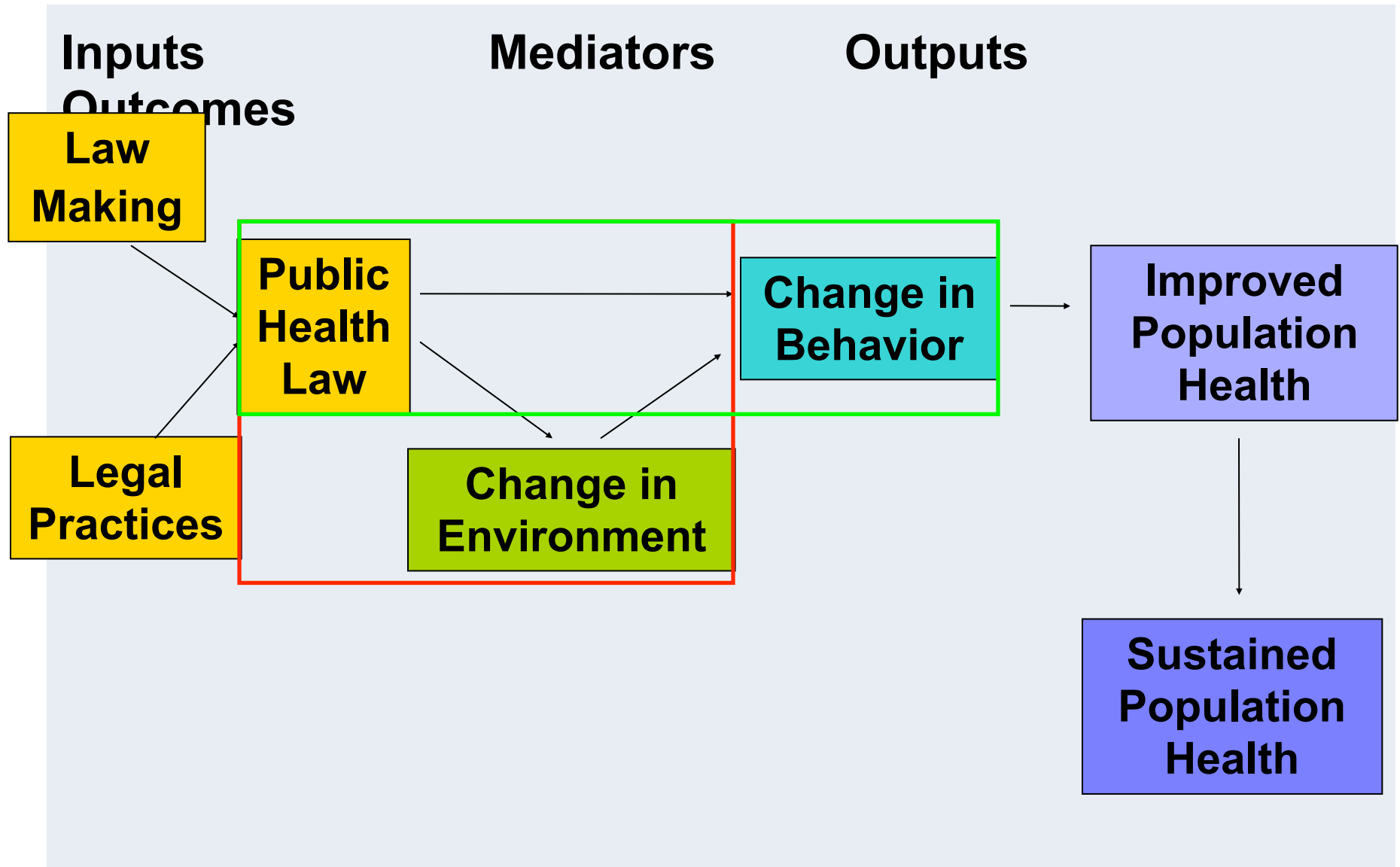
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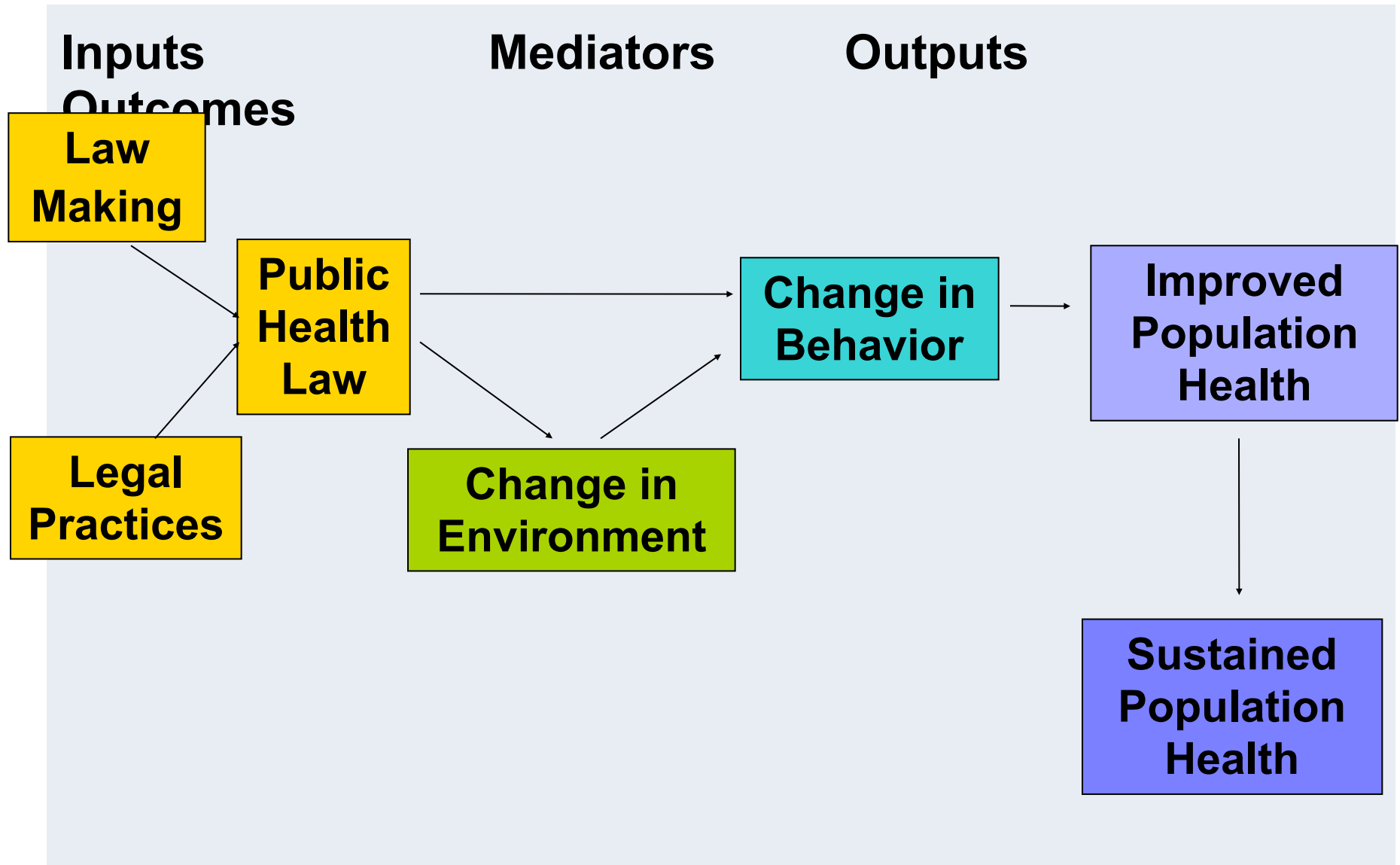
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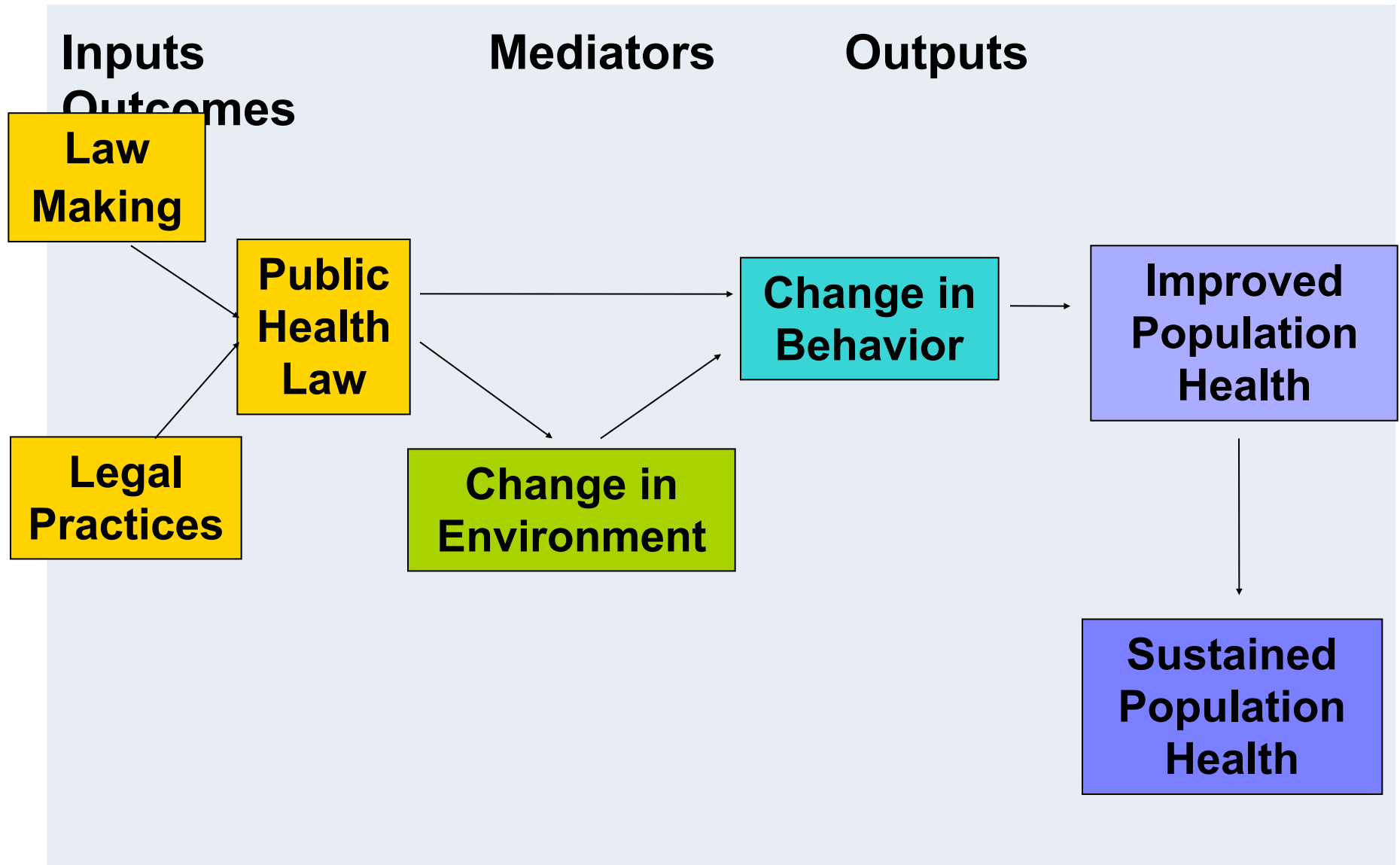
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For additional information on research methods for public health law research, please be sure to check the

Methods Modules and Commissioned Papers

sections of our website at:

www.publichealthlawresearch.org

